

**Supplementary Table 5.** Pharmacovigilance studies using the FDA adverse event reporting system

| Drugs                | Adverse events, n | Chi-Squared with Yates' correction | RRR (95% CI)        |
|----------------------|-------------------|------------------------------------|---------------------|
| <b>AIH</b>           |                   |                                    |                     |
| Everolimus           | 625               | 342.773                            | 2.057 (1.903–2.223) |
| Pioglitazone         | 214               | 8.602                              | 0.818 (0.716–0.935) |
| Tocilizumab          | 625               | 342.773                            | 2.057 (1.903–2.223) |
| Medroxyprogesterone  | 84                | 199.129                            | 0.244 (0.197–0.302) |
| Dasatinib            | 483               | 340.457                            | 2.255 (2.065–2.464) |
| Dexamethasone        | 1,641             | 274.388                            | 1.495 (1.425–1.569) |
| Lenalidomide         | 923               | 337.676                            | 0.555 (0.52–0.592)  |
| Gemcitabine          | 602               | 528.718                            | 2.464 (2.276–2.667) |
| Losartan             | 780               | 5.116                              | 1.084 (1.011–1.163) |
| Paricalcitol         | 6                 | 45.305                             | 0.105 (0.047–0.234) |
| Valproicacid         | 1,059             | 1012.189                           | 2.552 (2.404–2.709) |
| Hydrocortisone       | 319               | 24.181                             | 1.316 (1.18–1.468)  |
| Estradiol            | 220               | 71.524                             | 0.571 (0.5–0.651)   |
| Rimonabant           | 1                 | 0.005                              | 2.2 (0.317–15.28)   |
| Methotrexate         | 7,578             | 14902.678                          | 3.631 (3.548–3.715) |
| <b>PSC</b>           |                   |                                    |                     |
| Paclitaxel           | 899               | 576.877                            | 2.174 (2.037–2.32)  |
| Glatiramer           | 143               | 1.37                               | 0.904 (0.768–1.065) |
| Fluoxetine           | 522               | 3.812                              | 0.918 (0.843–1.0)   |
| Mycophenolatemofetil | 980               | 382.953                            | 1.843 (1.732–1.962) |
| Glyburide            | 223               | 7.743                              | 1.206 (1.058–1.374) |
| Mycophenolicacid     | 274               | 97.846                             | 1.8 (1.601–2.025)   |
| Dexamethasone        | 1,641             | 274.388                            | 1.495 (1.425–1.569) |
| Abiraterone          | 446               | 204.411                            | 1.939 (1.768–2.126) |
| Sorafenib            | 643               | 2069.496                           | 4.988 (4.625–5.379) |
| Iodine               | 8                 | 2.539                              | 0.55 (0.276–1.098)  |
| Dexamethasone        | ,1641             | 274.388                            | 1.495 (1.425–1.569) |
| Verteporfin          | 2                 | 5.083                              | 0.214 (0.053–0.853) |
| Amiodarone           | 829               | 992.731                            | 2.831 (2.646–3.028) |
| Vancomycin           | 467               | 325.703                            | 2.246 (2.053–2.458) |
| Amiodarone           | 829               | 992.731                            | 2.831 (2.646–3.028) |
| <b>MASLD</b>         |                   |                                    |                     |
| Imatinib             | 667               | 146.574                            | 1.588 (1.472–1.712) |
| Erlotinib            | 275               | 1.83                               | 0.921 (0.818–1.036) |
| Estrone              | 1                 | 1.693                              | 0.242 (0.034–1.714) |
| Methyltestosterone   | 6                 | 5.025                              | 0.395 (0.178–0.878) |
| Obeticholic acid     | 124               | 278.754                            | 3.999 (3.365–4.752) |
| Nitrofurantoin       | 284               | 409.696                            | 3.113 (2.776–3.491) |
| Lomustine            | 25                | 11.509                             | 1.993 (1.352–2.938) |
| Vitamina             | 191               | 14                                 | 0.763 (0.662–0.879) |

**Supplementary Table 5.** Continued

| Drugs         | Adverse events, n | Chi-Squared with Yates' correction | RRR (95% CI)        |
|---------------|-------------------|------------------------------------|---------------------|
| Carbamazepine | 866               | 791.979                            | 2.505 (2.345–2.676) |
| Valproicacid  | 1,059             | 1012.189                           | 2.552 (2.404–2.709) |
| Carbamazepine | 866               | 791.979                            | 2.505 (2.345–2.676) |
| Thalidomide   | 192               | 2.882                              | 0.883 (0.767–1.017) |
| Thrombin      | 1                 | 0.119                              | 1.237 (0.176–8.678) |
| Tolvaptan     | 315               | 1480.14                            | 6.513 (5.853–7.248) |
| Furosemide    | 1976              | 379.979                            | 1.538 (1.471–1.607) |
| <b>ALC</b>    |                   |                                    |                     |
| Tocilizumab   | 2,895             | 12359.607                          | 6.045 (5.832–6.265) |
| Lenalidomide  | 1,162             | 435.474                            | 0.552 (0.521–0.584) |
| Everolimus    | 692               | 375.221                            | 2.048 (1.902–2.206) |
| Losartan      | 951               | 11.602                             | 1.116 (1.048–1.189) |
| Lamivudine    | 1,577             | 3545.709                           | 3.968 (3.779–4.166) |
| Vincristine   | 1,507             | 2276.898                           | 3.176 (3.021–3.339) |
| Paricalcitol  | 8                 | 44.759                             | 0.133 (0.067–0.266) |
| Decitabine    | 39                | 10.426                             | 1.69 (1.238–2.307)  |
| Ascorbic acid | 351               | 1.305                              | 1.064 (0.959–1.181) |
| Bortezomib    | 470               | 2.585                              | 1.078 (0.985–1.179) |
| Azacitidine   | 212               | 44.092                             | 1.572 (1.376–1.797) |
| Thalidomide   | 229               | 0.324                              | 0.961 (0.845–1.094) |
| Sorafenib     | 694               | 2277.697                           | 5.053 (4.698–5.433) |
| Docetaxel     | 649               | 70.302                             | 1.386 (1.284–1.496) |
| Imiquimod     | 10                | 3.642                              | 0.534 (0.288–0.992) |
| <b>HCC</b>    |                   |                                    |                     |
| Calcitriol    | 45                | 5.426                              | 0.703 (0.525–0.94)  |
| Cyclosporine  | 1,006             | 550.915                            | 2.054 (1.931–2.184) |
| Disulfiram    | 66                | 316.39                             | 6.681 (5.292–8.434) |
| Docetaxel     | 503               | 20.636                             | 1.224 (1.122–1.335) |
| Etonogestrel  | 78                | 308.246                            | 0.175 (0.14–0.218)  |
| Furosemide    | 1,976             | 379.979                            | 1.538 (1.471–1.607) |
| Lamivudine    | 1,471             | 3715.91                            | 4.259 (4.05–4.479)  |
| Latanoprost   | 121               | 68.542                             | 0.48 (0.402–0.573)  |
| Melphalan     | 233               | 112.073                            | 1.973 (1.737–2.241) |
| Somatostatin  | 1                 | 0.172                              | 1.125 (0.16–7.898)  |
| Furosemide    | 1,976             | 379.979                            | 1.538 (1.471–1.607) |
| Metoprolol    | 1,571             | 37.811                             | 1.166 (1.11–1.225)  |
| Somatostatin  | 1                 | 0.172                              | 1.125 (0.16–7.898)  |
| Thalidomide   | 192               | 2.882                              | 0.883 (0.767–1.017) |
| Thrombin      | 1                 | 0.119                              | 1.237 (0.176–8.678) |
| Tocilizumab   | 2,895             | 12359.607                          | 6.045 (5.832–6.265) |
| Verteporfin   | 2                 | 5.083                              | 0.214 (0.053–0.853) |